

Paperwork Reduction Act Notice: The public reporting burden for this collection of information is estimated to average 0.25 hours per response for registration activities and 0.25 hours per response for registration activities, including time for reading the instructions and completing the necessary forms. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden to: Director, OPPE Information Management Division (2137), U.S. Environmental Protection Agency, 401 M Street, S.W., Washington, DC 20460. Do not send the form to this address.

DATA MATRIX

Date June 18, 2021

Applicant's/Registrant's Name & Address

UPL Delaware, Inc.
Clethodim Technical 2 Herbicide
C/O UPL NA Inc.
630 Freedom Business Center, Suite 402
King of Prussia, PA 19406

Ingredient Clethodim (CAS No.: 99129-21-2; Chemical Code: 121011)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
PRODUCT SPECIFIC DATA REC	QUIREMENTS				
830.1500	Preliminary 5 Batch Analysis	48317501	Arysta LifeScience North America, LLC	OWN	
830.1550	Product Identity and Composition	41798901	Valent USA Corporation	OLD	
		48912601	Arysta LifeScience North America, LLC	OWN	
		48317501	Arysta LifeScience North America, LLC	OWN	
		49081102	Arysta LifeScience North America, LLC	OWN	
		48317503	Arysta LifeScience North America, LLC	OWN	
		49081103	Arysta LifeScience North America, LLC	OWN	
830.1600	Description of Materials Used to Produce the Product	46124101	Arysta LifeScience North America, LLC	OWN	
830.1620	Description of the Production Process	48912602	Arysta LifeScience North America, LLC	OWN	
830.1670	Discussion of Formation of Impurities	41543301	Valent USA Corporation	OLD	
	·	48912602	Arysta LifeScience North America, LLC	OWN	
		46124102	Arysta LifeScience North America, LLC	OWN	
830.1700	Preliminary Analysis	42404801	Valent USA Corporation	OLD	
		49081101	Arysta LifeScience North America, LLC	OWN	
		48317501	Arysta LifeScience North America, LLC	OWN	
		48912601	Arysta LifeScience North America, LLC	OWN	
		48317501	Arysta LifeScience North America, LLC	OWN	
		49081102	Arysta LifeScience North America, LLC	OWN	
		48317503	Arysta LifeScience North America, LLC	OWN	
		49081103	Arysta LifeScience North America, LLC	OWN	
830.1750	Certified Limits	41543303	Valent USA Corporation	OLD	
		48317501	Arysta LifeScience North America, LLC	OWN	
		48912601	Arysta LifeScience North America, LLC	OWN	
		48317501	Arysta LifeScience North America, LLC	OWN	
		49081102	Arysta LifeScience North America, LLC	OWN	
		48317503	Arysta LifeScience North America, LLC	OWN	
		49081103	Arysta LifeScience North America, LLC	OWN	

Signature	Name and Title	Date
biama Enoning	Arianna Shorey	6/18/2021
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Date June 18, 2021			EPA Reg No./File Symbol 91813-65		Page 2 of 16
Applicant's/Registrant's Name & /	Address		Product		•
UPL Delaware, Ind	C.		Clethodim Technical 2 Herbicide	e	
c/o UPL NA Inc.					
	iness Center, Suite 402				
King of Prussia, P					
,	lo.: 99129-21-2; Chemical Code: 121011)				
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
830.1800	Enforcement Analytical Method	41543304	Valent USA Corporation	OLD	
		48317501	Arysta LifeScience North America, LLC	OWN	
		49081102	Arysta LifeScience North America, LLC	OWN	
		48317503	Arysta LifeScience North America, LLC	OWN	
202 202	0-1	49081103 46124103	Arysta LifeScience North America, LLC	OWN	
830.6302	Color		Arysta LifeScience North America, LLC		
830.6320	Corrosion Characteristics	46367201	Arysta LifeScience North America, LLC	OWN	-
830.7050	UV / Visible Absorption	48265101	Valent USA Corporation	PER	
830.7550	Partition Coefficient (n-octanol/water), Shake Flask Method	47428701	Arysta LifeScience North America, LLC	OWN	
830 series	Physical/Chemical Characteristics	41543305	Valent USA Corporation	OLD	
870.1100	Acute Oral Toxicity – rat	41030101	The Scotts Company	OLD	
		41030102	The Scotts Company	OLD	
		43166401	Valent USA Corporation	OLD	
		49527105	Arysta LifeScience North America, LLC	OWN	
		49527106	Arysta LifeScience North America, LLC	OWN	
870.1200	Acute Dermal Toxicity – rat	40974510		OLD	
870.1300	Acute Inhalation Toxicity – rat	40974512		OLD	
870.2400	Eye Irritation	40974514		OLD	
870.2500	Skin Irritation	40974516		OLD	
870.2600	Skin Sensitization	47026701	Valent USA Corporation	PAY	
GENERIC DATA REQUIREMEN	TS				
850.2100	Acute Avian Oral Toxicity	40974525		OLD	
850.2200	Acute Avian Dietary Toxicity	40974526		OLD	
		40974527		OLD	
850.2400	Wild Mammal Toxicity				Not required
Signature	_		Name and Title		Date
knama	Suoniz		Arianna Shorey		6/18/2021
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Date June 18, 2021			EPA Reg No./File Symbol 91813-65		Page 3 of 16
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UPL Delaware, Inc	С.		Clethodim Technical 2 Her	bicide	
c/o UPL NA Inc.					
630 Freedom Bus	iness Center, Suite 402				
King of Prussia, P.	A 19406				
_ -	lo.: 99129-21-2; Chemical Code: 121011)				
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
850.2300	Avian Reproductive Toxicity	41030203		OLD	
		41030204		OLD	
		41030205		OLD	
050 0500	Observator de la Astron Field Testina	41030206		OLD	Nint no maine
850.2500	Simulated or Actual Field Testing				Not required
850.1075	Freshwater Fish Toxicity	40974528		OLD	
		40974529	\/-I411	OLD	
		48417002	Valent U.S.A. LLC	PER	
		48417003 49439204	Valent U.S.A. LLC Arysta LifeScience N.A. LLC	PER OWN	
850.1010	Freshwater Invertebrate Toxicity	40974530	Arysta LifeScience N.A. LLC	OLD	
650.1010	Freshwater invertebrate Toxicity	41685101		OLD	
850.1025, 850.1035,	Acute Toxicity Estuarine and Marine Organisms	48417001	Valent U.S.A. LLC	PER	
850.1045, 850.1055,	Acute Toxiotty Estuarine and Marine Organisms	48417004	Valent U.S.A. LLC	PER	
850.1075		48563001	Valent U.S.A. LLC	PER	
000.1070		49371501	Valent U.S.A. LLC	PER	
850.1300	Aquatic Invertebrate Life Cycle (Freshwater)	48104305	ADAMA Agan Ltd.	PAY	
850.1350	Aquatic Invertebrate Life Cycle (Saltwater)	48548601	Valent U.S.A. LLC	PER	
	, , , , , , , , , , , , , , , , , , , ,	49371502	Valent U.S.A. LLC	PER	
850.1400	Fish Early Life Stage (Freshwater)	48104303	ADAMA Agan Ltd.	PAY	
		48417002	Valent U.S.A. LLC	PER	
850.1400	Fish Early Life Stage (Saltwater)	48548602	Valent U.S.A. LLC	PER	
		49371503	Valent U.S.A. LLC	PER	
850.1500	Life Cycle Fish				Not required
850.1710, 850.1730,	Aquatic Organisms Bioavailability, Biomagnification, Toxicity	40974524		OLD	
850.1850		40974531		OLD	
850.1950	Simulated or Actual Field Testing for Aquatic Organisms				Not required
850.1735	Whole Sediment: Acute Freshwater Invertebrates				Not required
Signature			Name and Title		Date
-	501117		Arianna Shorey		6/18/2021
Liama	Constag		Regulatory Consultant		0/10/2021
			Regulatory Consultant		



send the form to this address.	to reducing the burden to. Director, OFFE information Management Divisit	on (2137), O.S. Envir	onmental Flotection Agency, 401 M Street, 3.vv., v	vasiiiigtoii, t	DC 20400. DO 1101
	DATA MA	ATRIX			
Date June 18, 2021			EPA Reg No./File Symbol 91813-65		Page 4 of 16
Applicant's/Registrant's Name & A	ddress		Product		
UPL Delaware, Inc.			Clethodim Technical 2 Herbicide	е	
c/o UPL NA Inc.					
630 Freedom Busir	ness Center, Suite 402				
King of Prussia, PA	19406				
Ingredient Clethodim (CAS No	o.: 99129-21-2; Chemical Code: 121011)				
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
850.1740	Whole Sediment: Acute Marine Invertebrates				Not required
N/A	Whole Sediment: Chronic Invertebrates Freshwater and				Not required

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
850.1740	Whole Sediment: Acute Marine Invertebrates				Not required
N/A	Whole Sediment: Chronic Invertebrates Freshwater and				Not required
	Marine				
850.3020	Honey Bee Acute Contact Toxicity	41685107		OLD	
850.3030	Honeybee Toxicity of Residues on Foliage				Reserved
850.3040	Field Testing for Pollinators				Reserved
870.6100	Delayed Neurotoxicity (Acute) – Hen				Not required
870.6200	Acute Neurotoxicity – Rat	48788501	Valent U.S.A. LLC	PER	
0.0.0200	, read read states and the	48788502	Valent U.S.A. LLC	PER	
870.3100	90-Day Oral: Rodent	41030103		OLD	
		41030104		OLD	
		41030105		OLD	
		41030107		OLD	
		41030108		OLD	
		41030110		OLD	
870.3150	90-Day Oral: Non-Rodent	41030106		OLD	
		41623602		OLD	
870.3200	21/28-Day Dermal Toxicity	41030109		OLD	
		41030201		OLD	
870.3250	90-Day Dermal Toxicity				Not required
870.3465	90-Day Inhalation Toxicity				Waived
870.6100	28-Day Delayed Neurotoxicity – Hen				Not required
870.6200	90-Day Neurotoxicity	48788503	Valent U.S.A. LLC	PER	
870.4100	Chronic Oral Rodent	41030121		OLD	
870.4200	Carcinogenicity	41030112		OLD	
		41030121		OLD	

Signature	Name and Title	Date
Liama Enous	Arianna Shorey	6/18/2021
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Product					
Clethodim Technical 2 Herbicide					
	EPA Reg No./File Symbol 91813-65 Product				

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
870.3700	Reproduction / Developmental Toxicity Screening Test	41030113		OLD	
		41030114		OLD	
		41030115		OLD	
		41030116		OLD	
		41030117		OLD	
		41030118		OLD	
870.3800	2-Generation Reproduction: Rat	41030119		OLD	
		41030120		OLD	
870.6300	Developmental Neurotoxicity Study				Not required
870.5100	Bacterial Reverse Mutation Test	41030122		OLD	
		41030123		OLD	
		41030126		OLD	
		41030127		OLD	
		44628501		OLD	
		44628502		OLD	
		44628503		OLD	
870.5300, 870.5375	In vitro Mammalian Cell Assay	41030123		OLD	
		41030128		OLD	
		41030129		OLD	
		41030130 41030131		OLD OLD	
070 5205 070 5205	In this City and the and Other Effects				
870.5385, 870.5395, 870.5450; 870.5550	In vivo Cytogenetics and Other Effects	41030124 41030125		OLD OLD	
870.7485	Metabolism and Pharmacokinetics	41030125		OLD	
		41030132		OLD	Not no muino d
870.7200	Companion Animal Safety	4400000		01.5	Not required
870.7600	Dermal Penetration	41030202		OLD	
870.7800	Immunotoxicity	48788504	Valent U.S.A. LLC	PER	
		48788505	Valent U.S.A. LLC	PER	

Signature	Name and Title	Date
Liama Suoniz	Arianna Shorey	6/18/2021
Knames	Regulatory Consultant	



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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY 401 M Street, S.W. WASHINGTON, D.C. 20460

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Applicant's/Registrant's Name &	Address		Product		
UPL Delaware, Inc.			Clethodim Technical 2 Herbi	cide	
c/o UPL NA Inc.					
	iness Center, Suite 402				
King of Prussia, P					
Ingredient Clethodim (CAS N	No.: 99129-21-2; Chemical Code: 121011)				
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
875.1100	Dermal Exposure – Outdoor		Agricultural Handler Exposure TF	PER	
875.1200	Dermal Exposure – Indoor				Not required
875.1300	Inhalation Exposure – Outdoor		Agricultural Handler Exposure TF	PER	
875.1400	Inhalation Exposure – Indoor				Not required
875.1500	Biological Monitoring		Agricultural Handler Exposure TF	PER	
875.1600	Data Reporting and Calculations		Agricultural Handler Exposure TF	PER	
875.1700	Product Use Information		Agricultural Handler Exposure TF	PER	
875.2100	Dislodgeable Foliar Residue and Turf Transferable Residues		Agricultural Reentry TF	OWN	+
			Outdoor Residential Exposure TF	OLD	
875.2200	Soil Residue Dissipation		Agricultural Reentry TF	OWN	
			Outdoor Residential Exposure TF	OLD	
875.2400	Dermal Exposure		Agricultural Reentry TF	OWN	
			Outdoor Residential Exposure TF	OLD	
875.2500	Inhalation Exposure		Agricultural Reentry TF	OWN	

875.2900 Data Reporting and Calculations Agricultural Reentry TF OWN Outdoor Residential Exposure TF OLD 875.3000 Agricultural Reentry TF Nondietary Ingestion Exposure OWN Outdoor Residential Exposure TF OLD Signature Name and Title Date Kiama Shoriz Arianna Shorey 6/18/2021 Regulatory Consultant

Biological Monitoring

Product Use Information

Descriptions of Human Activity

OLD

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Outdoor Residential Exposure TF

Outdoor Residential Exposure TF

Outdoor Residential Exposure TF

Outdoor Residential Exposure TF

Agricultural Reentry TF

Agricultural Reentry TF

Agricultural Reentry TF



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• •			Product	de i e i el e	
UPL Delaware, In c/o UPL NA Inc.	IC.		Clethodim Technical 2 Her	bicide	
	siness Center, Suite 402				
King of Prussia, F					
	No.: 99129-21-2; Chemical Code: 121011)				
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
201-1	Droplet Size Spectrum		Spray Drift TF	OLD	
202-1	Droplet Size Spectrum		Spray Drift TF	OLD	
	i i				
850.4100	Tier 1: Seedling Emergence	41685102		OLD	
	de la companya de la	41685104		OLD	
850.4150	Tier 1: Vegetative Vigor	41685103		OLD	
		41685105		OLD	
850.4400, 850.4500	Tier 1: Aquatic Plant Growth	41685106		OLD	
		42029701-06		OLD	
		47954504	U.S. EPA	PL	
		47954505	U.S. EPA	PL	
		49439205	Arysta LifeScience N.A. LLC	OWN	
		49439206	Arysta LifeScience N.A. LLC	OWN	
850.4100	Tier 2: Seedling Emergence	41685102		OLD	
		41685104		OLD	
850.4150	Tier 2: Vegetative Vigor	41685103		OLD	
		41685105		OLD	
850.4400, 850.4500	Tier 2: Aquatic Plant Growth	41685106		OLD	
		42029701-06		OLD	
		47954504	U.S. EPA	PL	
		47954505	U.S. EPA	PL	
		49439205	Arysta LifeScience N.A. LLC	OWN OWN	
850.4300	Terrestrial Field	49439206	Arysta LifeScience N.A. LLC	OVVIN	Not required
850.4450	Aquatic Field				Not required
850.4025	Target Area Phytotoxicity				Not required
850.4550	Cyanobacteria Toxicity	42029705		OLD	Not required
000.7000	Sydnobacteria roxiotty	42023103		OLD	
Oi-mark			News and Title	I	
Signature	S		Name and Title Arianna Shorey		Date
Diama	Evoniz		,		6/18/2021
	•		Regulatory Consultant		



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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY 401 M Street, S.W. WASHINGTON, D.C. 20460

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	D.	ATA MATRIX			
Date June 18, 2021			EPA Reg No./File Symbol 91813-65		Page 8 of 16
Applicant's/Registrant's Name & /	Address		Product		
UPL Delaware, In-	c.		Clethodim Technical 2 Her	bicide	
c/o UPL NA Inc.					
	iness Center, Suite 402				
King of Prussia, P					
Ingredient Clethodim (CAS N	No.: 99129-21-2; Chemical Code: 121011)				
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
835.2120	Hydrolysis	40974520		OLD	
835.2240	Photodegradation in Water	41030133		OLD	
		41030134		OLD	
835.2410	Photodegradation in Soil	41030135		OLD	
835.2370	Photodegradation in Air				Not required
835.4100	Aerobic Soil Metabolism	40974521		OLD	
		40974522		OLD	
		41030136 41376801		OLD OLD	
		49439202	Arysta LifeScience N.A. LLC	OWN	
835.4200	Anaerobic Soil Metabolism	41030136	Arysta Elicotici IV.A. LEO	OLD	
835.4300	Aerobic Aquatic Metabolism	49439201	Arysta LifeScience N.A. LLC	OWN	
	'	49439203	Arysta LifeScience N.A. LLC	OWN	
835.4400	Anaerobic Aquatic Metabolism	41652301		OLD	
835.1230	Leaching / Adsorption / Desorption	40974523		OLD	
835.1410	Volatility – Laboratory				Not required
835.8100	Volatility – Field				Not required
835.6100	Soil Field Dissipation Study	41030207		OLD	
		41030208		OLD	
		41030209		OLD	
005.0000	Assortic Coding and Field Biocinetics Charle	41030210		OLD	Not as audional
835.6200	Aquatic Sediment Field Dissipation Study				Not required
835.6300	Forest Field Dissipation Study				Not required
835.6400	Combination and Tank Mixes				Not required

Signature	Name and Title	Date
Grama Snorty	Arianna Shorey	6/18/2021
Marie 0	Regulatory Consultant	

Ground Water Monitoring

Not required

Form Approved OMB No. 2070-0060



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DATA MATRIX EPA Reg No./File Symbol 91813-65 Page 9 of 16 Date June 18, 2021 Applicant's/Registrant's Name & Address Product UPL Delaware, Inc. Clethodim Technical 2 Herbicide c/o UPL NA Inc. 630 Freedom Business Center, Suite 402 King of Prussia, PA 19406 Ingredient Clethodim (CAS No : 99129-21-2: Chemical Code: 121011)

Ingredient Cietnodim (CAS No.: 99129-21-2; Chemical Code: 121011)					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1300	Nature of the Residue: Plants	41030137		OLD	
		41030138		OLD	
860.1300	Nature of the Residue: Livestock	41030139		OLD	
		41030140		OLD	
860.1850	Confined Rotational Crops	41030211		OLD	
860.1340	Residue Analytical Methods	41030141		OLD	
		41389901		OLD	
		41389902		OLD	
		41396001		OLD	
		41623401		OLD	
		41623402		OLD	
		41685001		OLD	
		41730701		OLD	
		42924501		OLD	
		42924502		OLD	
		43113201		OLD	
		43113202		OLD	
		43113203		OLD	
		43448201		OLD	
		43448202		OLD	
		43448203		OLD	
		43757701		OLD	
		43757702		OLD	
860.1360	Multiresidue Method	41030223		OLD	
		43166406		OLD	
		43166407		OLD	

Signature	Name and Title	Date
Liama Suoniz	Arianna Shorey	6/18/2021
Knams	Regulatory Consultant	



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c/o UPL NA Inc.	c/o UPL NA Inc.			
630 Freedom Business Center, Suite 402				
King of Prussia, PA 19406				
Ingredient Clethodim (CAS No.: 99129-21-2; Chemical Code: 121011)				

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1380	Storage Stability	41382301		OLD	
		41389903		OLD	
		41623403		OLD	
		41623404		OLD	
860.1500	Magnitude of the Residue in Plants: Alfalfa	43448201		OLD	
		43471701		OLD	
		43848901		OLD	
860.1500	Magnitude of the Residue in Plants: Artichoke (Globe)	47631404	IR-4	PL	
860.1500	Magnitude of the Residue in Plants: Beans (Dry)	43471702		OLD	
		43448202		OLD	
860.1500	Magnitude of the Residue in Plants: Beets (Sugar)	43166403		OLD	
		43166405		OLD	
		43583801		OLD	
		44753206		OLD	
860.1500	Magnitude of the Residue in Plants: Birdsfoot Trefoil	43448201		OLD	
		43471701		OLD	
		43848901		OLD	
		45027809		OLD	
860.1500	Magnitude of the Residue in Plants: Cabbage (Chinese	45284403		OLD	
	Mustard)	45284404		OLD	
860.1500	Magnitude of the Residue in Plants: Canola	44393301		OLD	
		45875901		OLD	
860.1500	Magnitude of the Residue in Plants: Cavalo Broccolo	45284403		OLD	
		45284404		OLD	
860.1500	Magnitude of the Residue in Plants: Clover	45027809		OLD	
860.1500	Magnitude of the Residue in Plants: Corn (Field)	46951801	Valent U.S.A. LLC	PER	

Signature	Name and Title	Date
Liama Suoniz	Arianna Shorey	6/18/2021
Mauric Start 6	Regulatory Consultant	



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Clethodim Technical 2 Herbicide
C/o UPL NA Inc.
630 Freedom Business Center, Suite 402
King of Prussia, PA 19406

Ingredient Clethodim (CAS No.: 99129-21-2; Chemical Code: 121011)

Guideline Reference Number **Guideline Study Name** MRID Number Submitter Status Note 860.1500 Magnitude of the Residue in Plants: Cotton 41030213 OLD 41030214 OLD 41030215 OLD 42286505 OLD 42286506 OLD PL46789601 IR-4 860,1500 Magnitude of the Residue in Plants: Cranberry 45027807 OLD Magnitude of the Residue in Plants: Flax 860.1500 45858501 OLD 860.1500 Magnitude of the Residue in Plants: Holy Clover 43448201 OLD. 43471701 OLD 43848901 OLD 45027809 OLD 860.1500 Magnitude of the Residue in Plants: Hops 46434601 OLD 860,1500 Magnitude of the Residue in Plants: Lettuce (Leaf) 45284402 OLD Magnitude of the Residue in Plants: Mint (Peppermint and 860.1500 45571901 OLD Spearmint) 860.1500 Magnitude of the Residue in Plants: Mustard Seed 46258101 OLD 46258102 OLD Magnitude of the Residue in Plants: Mustard Spinach 45504701 OLD 860.1500 PL 860.1500 Magnitude of the Residue in Plants: Okra 49958401 IR-4 860.1500 Magnitude of the Residue in Plants: Peanuts 43471703 OLD 860.1500 Magnitude of the Residue in Plants: Radish Greens 45284403 OLD 45284404 OLD 45504701 OLD 860.1500 Magnitude of the Residue in Plants: Safflower 44323402 OLD

Signature	Name and Title	Date
Liama Suoniz	Arianna Shorey	6/18/2021
Mauric Start 6	Regulatory Consultant	



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Date June 18, 2021			EPA Reg No./File Symbol 91813-65	Page 12 of
Applicant's/Registrant's Name & Address			Product	
UPL Delawa			Clethodim Technical 2 Herbicide	
c/o UPL NA				
	n Business Center, Suite 402			
	sia, PA 19406			
	CAS No.: 99129-21-2; Chemical Code: 121011)			
Guideline Reference Num	ber Guideline Study Name	MRID Number	Submitter Sta	itus Note
360.1500	Magnitude of the Residue in Plants: Sainfoin	43448201	Ol	.D
		43471701	Ol	
		43848901	Ol	
		45027809	Ol	
360.1500	Magnitude of the Residue in Plants: Sesame	46434605	Ol	.D
360.1500	Magnitude of the Residue in Plants: Soybeans	41030216	Ol	.D
		41030217	Ol	
		41030218	Ol	
60.1500	Magnitude of the Residue in Plants: Stevia	46258101	Ol	.D
		46258102	Ol	
860.1500	Magnitude of the Residue in Plants: Strawberry	45027808	Ol	.D
360.1500	Magnitude of the Residue in Plants: Tomatoes	43757703	Ol	
		45015501	Ol	
360.1500	Magnitude of the Residue in Plants: Turnip Greens	45284403	Ol	
		45284404	Ol	
		45504701	Ol	
360.1500	Magnitude of the Residue in Plants: Watercress	45284403	Ol	
		45284404	Ol	
		45504701	Ol	
360.1500	Magnitude of the Residue in Plants: Root Vegetables Crop	45027802	Ol	
	Subgroup 1B (except sugar beets)	45027803	Ol	
360.1500	Magnitude of the Residue in Plants: Root Vegetables Crop	43757704	OL	
	Subgroup 1C	44323401	Ol	
60.1500	Magnitude of the Residue in Plants: Leaves of Root and	43757704	OL	
	Tuber Vegetables Crop Group 2	44323401	OI	
		45027802	OI	
200 4500	M 2 1 (4 D 1) 1 D 1 1 D 1 1 D 1 1 D 1 1 D 1 1 D 1 1 D 1 1 D 1	45027803	Ol	
360.1500	Magnitude of the Residue in Plants: Bulb Vegetables Crop	43166404	OI	
	Subgroup 3-07A	43583801	OL	ט
Signature			Name and Title	Date
المنا	June Short		Arianna Shorey	6/18/2021
Enama Enoniz			Regulatory Consultant	



Paperwork Reduction Act Notice: The public reporting burden for this collection of information is estimated to average 0.25 hours per response for registration activities and 0.25 hours per response for registration activities, including time for reading the instructions and completing the necessary forms. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden to: Director, OPPE Information Management Division (2137), U.S. Environmental Protection Agency, 401 M Street, S.W., Washington, DC 20460. Do not send the form to this address.

DATA MATRIX

Date June 18, 2021

Applicant's/Registrant's Name & Address

UPL Delaware, Inc.
C/O UPL NA Inc.
630 Freedom Business Center, Suite 402
King of Prussia, PA 19406

Ingredient Clethodim (CAS No.: 99129-21-2; Chemical Code: 121011)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1500	Magnitude of the Residue in Plants: Green Onion Subgroup 3-07B	45284401		OLD	
860.1500	Magnitude of the Residue in Plants: Leafy Greens Crop	45284402		OLD	
	Subgroup 4-16A	45567601		OLD	
		46434603		OLD	
		46434604		OLD	
		48481701	IR-4	PL	
860.1500	Magnitude of the Residue in Plants: Brassica Leafy Greens	45284403		OLD	
	Subgroup 4-16B	45284404		OLD	
		45504701		OLD	
860.1500	Magnitude of the Residue in Plants: Vegetable Brassica	45284403		OLD	
	Head and Stem Group 5-16	45284404		OLD	
860.1500	Magnitude of the Residue in Plants: Legume Vegetables	43448202		OLD	
	Crop Group 6 (except soybeans)	43471702		OLD	
		46434606		OLD	
		46434607		OLD	
		46434608		OLD	
		46434609		OLD	
860.1500	Magnitude of the Residue in Plants: Fruiting Vegetables Crop	43757703		OLD	
	Group 8-10 (except okra)	44753204		OLD	
		44753205		OLD	
		45015501		OLD	
		46789801	IR-4	PL	
860.1500	Magnitude of the Residue in Plants: Cucurbit Vegetables Crop Group Melon Subgroup 9A	45027805		OLD	
860.1500	Magnitude of the Residue in Plants: Cucurbit Vegetable Crop	44753203		OLD	
	Group Squash/Cucumber Subgroup 9B	45027806		OLD	
860.1500	Magnitude of the Residue in Plants: Pome Fruit Crop Group	49508701	IR-4	PL	
	11-10	49508702	IR-4	PL	

Signature	Name and Title	Date
Liama Suoniz	Arianna Shorey	6/18/2021
Knames	Regulatory Consultant	



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DATA MATRIX

Date June 18, 2021

Applicant's/Registrant's Name & Address

UPL Delaware, Inc.
Cloude Technical 2 Herbicide
C/O UPL NA Inc.
630 Freedom Business Center, Suite 402
King of Prussia, PA 19406

Ingredient Clethodim (CAS No.: 99129-21-2; Chemical Code: 121011)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1500	Magnitude of the Residue in Plants: Stone Fruit Crop Group	47631403	IR-4	PL	
	12-12	49508703	IR-4	PL	
		49508704	IR-4	PL	
860.1500	Magnitude of the Residue in Plants: Berry and Small Fruit	47631402	IR-4	PL	
	Crop Group Caneberry Subgroup 13-07A				
860.1500	Magnitude of the Residue in Plants: Berry and Small Fruit	47631401	IR-4	PL	
	Crop Group Bushberry Subgroup 13-07B				
860.1500	Magnitude of the Residue in Plants: Berry, Low Growing	45027808		OLD	
	Subgroup 13-07G (except cranberry)				
860.1500	Magnitude of the Residue in Plants: Tree Nuts Crop Group	49958402	IR-4	PL	
	14-12	49958403	IR-4	PL	
860.1500	Magnitude of the Residue in Plants: Herbs and Spice Crop	46258101		OLD	
	Group, Herbs Subgroup 19A	46258102		OLD	
860.1500	Magnitude of the Residue in Plants: Rapeseed Subgroup 20A	44393301		OLD	
	(except flax seed)	45875901		OLD	
		46434605		OLD	
860.1500	Magnitude of the Residue in Plants: Sunflower Subgroup 20B	44323402		OLD	
860.1500	Magnitude of the Residue in Plants: Cottonseed Subgroup	41030213		OLD	
	20C	41030214		OLD	
		41030215		OLD	
		42286505		OLD	
		42286506		OLD	
		46789601	IR-4	PL	
860.1500	Magnitude of the Residue in Plants: Stalk and Stem	46434602		OLD	
	Vegetable Subgroup 22A				
860.1500	Magnitude of the Residue in Plants: Leafy Petiole Vegetable	45027804		OLD	
	Subgroup 22B	48499801	IR-4	PL	

Signature	Name and Title	Date
biama Suoniz	Arianna Shorey	6/18/2021
Chamber	Regulatory Consultant	



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Applicant's/Registrant's Name & Address UPL Delaware, Inc.			Product		•
			Clethodim Technical 2 Herbicide		
c/o UPL NA Inc.					
	iness Center, Suite 402				
King of Prussia, P	A 19406				
Ingredient Clethodim (CAS N	lo.: 99129-21-2; Chemical Code: 121011)				
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1520	Magnitude of the Residue in Processed Food or Feed: Beets	43166403		OLD	
	(Sugar)	43166405		OLD	
		43583801		OLD	
		44753206		OLD	
860.1520	Magnitude of the Residue in Processed Food or Feed:	44393301		OLD	
	Canola	45875901	1/1	OLD	
860.1520	Magnitude of the Residue in Processed Food or Feed: Corn (Field)	46951801	Valent U.S.A. LLC	PER	
860.1520 Magnitude of the Residue in Pro	Magnitude of the Residue in Processed Food or Feed: Cotton	41030213		OLD	
		41030214		OLD	
		41030215		OLD	
		41030219		OLD	
		42286505		OLD	
		42286506	ID 4	OLD	
960 4530	Magnitude of the Decidus in Dressessed Food or Foods Flox	46789601	IR-4	PL OLD	
860.1520	Magnitude of the Residue in Processed Food or Feed: Flax	45858501			
860.1520	Magnitude of the Residue in Processed Food or Feed: Mint	45571901		OLD	
860.1520	Magnitude of the Residue in Processed Food or Feed: Peanut	43471703		OLD	
860.1520	Magnitude of the Residue in Processed Food or Feed: Safflower	44323402		OLD	
860.1520	Magnitude of the Residue in Processed Food or Feed: Sesame	46434605		OLD	
860.1520	Magnitude of the Residue in Processed Food or Feed:	41030216		OLD	
Soybeans		41030217		OLD	
		41030218		OLD	
		41030220		OLD	
860.1520	Magnitude of the Residue in Processed Food or Feed:	43757703		OLD	
	Tomatoes	45015501		OLD	
Signature			Name and Title		Date
Knama Enoniz			Arianna Shorey		6/18/2021
			Regulatory Consultant		



Seria trie form to triis address.		
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Applicant's/Registrant's Name & Address	Product	
UPL Delaware, Inc.	Clethodim Technical 2 Herbicide	
c/o UPL NA Inc.		
630 Freedom Business Center, Suite 402		
King of Prussia, PA 19406		
Ingredient Clethodim (CAS No.: 99129-21-2: Chemical Code: 121011)		

Magnitude of the Residue in Processed Food or Feed: Root				+
	43757704		OLD	
Vegetables Crop Subgroup 1C (potato)	44323401		OLD	
Magnitude of the Residue in Processed Food or Feed: Pome	49508701	IR-4	PL	
Fruit Crop Group 11-10 (apple)	49508702	IR-4	PL	
Magnitude of the Residue in Processed Food or Feed: Stone	47631403	IR-4	PL	
Fruit Crop Group 12-12 (plum)	49508703	IR-4	PL	
	49508704	IR-4	PL	
Magnitude of the Residue in Processed Food or Feed: Herbs	46258101		OLD	
and Spice Crop Group, Herbs Subgroup 19A (dried)	46258102		OLD	
Magnitude of the Residue in Processed Food or Feed:	44393301		OLD	
Rapeseed Subgroup 20A (except flax seed) (rapeseed)	45875901		OLD	
	46434605		OLD	
Magnitude of the Residue in Processed Food or Feed:	44323402		OLD	
Sunflower Subgroup 20B (sunflower)				
Magnitude of the Residue in Meat, Milk, Poultry, and Eggs	41030221		OLD	
	41030222		OLD	
Nature and Magnitude of the Residue in Potable Water				Not required
Magnitude of the Residue in Fish				Not required
Magnitude of the Residue in Plants Resulting from the Use of				Not required
U				Not required
Field Rotational Crops				Not required
V = V = V S V V V V V V	lagnitude of the Residue in Processed Food or Feed: Pome ruit Crop Group 11-10 (apple) lagnitude of the Residue in Processed Food or Feed: Stone ruit Crop Group 12-12 (plum) lagnitude of the Residue in Processed Food or Feed: Herbs and Spice Crop Group, Herbs Subgroup 19A (dried) lagnitude of the Residue in Processed Food or Feed: Lapeseed Subgroup 20A (except flax seed) (rapeseed) lagnitude of the Residue in Processed Food or Feed: Lapeseed Subgroup 20B (sunflower) lagnitude of the Residue in Meat, Milk, Poultry, and Eggs lature and Magnitude of the Residue in Potable Water lagnitude of the Residue in Fish lagnitude of the Residue in Plants Resulting from the Use of rigation Water lagnitude of the Residue in Food Handling Establishments	Interpretation of the Residue in Processed Food or Feed: Pome ruit Crop Group 11-10 (apple) Interpretation of the Residue in Processed Food or Feed: Stone aruit Crop Group 12-12 (plum) Interpretation of the Residue in Processed Food or Feed: Stone aruit Crop Group 12-12 (plum) Interpretation of the Residue in Processed Food or Feed: Herbs are decided as 46258101 and Spice Crop Group, Herbs Subgroup 19A (dried) Interpretation of the Residue in Processed Food or Feed: are decided as 44393301 and 46258102 are decided are decided as 44393301 are decided ar	Agnitude of the Residue in Processed Food or Feed: Pome ruit Crop Group 11-10 (apple) Agnitude of the Residue in Processed Food or Feed: Stone ruit Crop Group 12-12 (plum) Agnitude of the Residue in Processed Food or Feed: Stone ruit Crop Group 12-12 (plum) Agnitude of the Residue in Processed Food or Feed: Herbs Agnitude of the Residue in Processed Food or Feed: Herbs ruit Crop Group, Herbs Subgroup 19A (dried) Agnitude of the Residue in Processed Food or Feed: Agnitude of the Residue in Processed Food or Feed: Agnitude of the Residue in Processed Food or Feed: Agnitude of the Residue in Processed Food or Feed: Agnitude of the Residue in Processed Food or Feed: Agnitude of the Residue in Processed Food or Feed: Agnitude of the Residue in Meat, Milk, Poultry, and Eggs Adagnitude of the Residue in Meat, Milk, Poultry, and Eggs Agnitude of the Residue in Fish Agnitude of the Residue in Plants Resulting from the Use of rigation Water Agnitude of the Residue in Food Handling Establishments	Aggnitude of the Residue in Processed Food or Feed: Pome ruit Crop Group 11-10 (apple) Aggnitude of the Residue in Processed Food or Feed: Stone ruit Crop Group 12-12 (plum) Aggnitude of the Residue in Processed Food or Feed: Stone ruit Crop Group 12-12 (plum) Aggnitude of the Residue in Processed Food or Feed: Herbs Aggnitude of the Residue in Processed Food or Feed: Herbs ruit Crop Group, Herbs Subgroup 19A (dried) Aggnitude of the Residue in Processed Food or Feed: Aggnitude of the Residue in Processed Food or Feed: Aggnitude of the Residue in Processed Food or Feed: Aggnitude of the Residue in Processed Food or Feed: Aggnitude of the Residue in Processed Food or Feed: Aggnitude of the Residue in Processed Food or Feed: Aggnitude of the Residue in Processed Food or Feed: Aggnitude of the Residue in Processed Food or Feed: Aggnitude of the Residue in Processed Food or Feed: Aggnitude of the Residue in Meat, Milk, Poultry, and Eggs Adjust Aggnitude of the Residue in Potable Water Aggnitude of the Residue in Plants Resulting from the Use of rigation Water Aggnitude of the Residue in Food Handling Establishments

Signature	Name and Title	Date
Liama Suoniz	Arianna Shorey	6/18/2021
Knames	Regulatory Consultant	